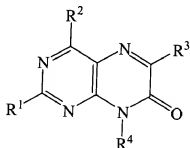


CLEAN VERSION OF AMENDED CLAIMS

- 1 18. (Currently amended) An oligonucleotide comprising one or more  
2 nucleotide monomers, said monomers having the formula



3 wherein:

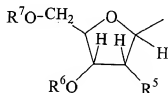
4 R<sup>1</sup> is a member selected from the group consisting of hydrogen and optionally substituted  
5 C<sub>1</sub>-C<sub>6</sub>-alkyl;

6 R<sup>2</sup> is a member selected from the group consisting of amino and mono- or di-substituted  
7 amino wherein the substituent is a protecting group;

8 R<sup>3</sup> is optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl;

9 R<sup>4</sup> is L;

10 L is of the formula  
11



12 wherein:

13 R<sup>5</sup> is a member selected from the group consisting of hydrogen and hydroxyl;

14 R<sup>6</sup> is a member selected from the group consisting of hydrogen, a phosphate, a phosphate  
15 covalently attached to a nucleotide, a phosphate covalently attached to a  
16 nucleoside; a hemisuccinate covalently bound to a solid support, a  
17 dicyclohexylcarbodiimide covalently bound to a solid support, and a hydroxyalkyl  
18 covalently bound to a solid support; and  
19

HAWKINS et al.  
Application No.: 09/786,666  
Page 21

20 R<sup>7</sup> is a member selected from the group consisting of hydrogen, a phosphate, a phosphate  
21 covalently attached to a nucleotide and a phosphate covalently attached to a  
22 nucleoside;  
23 wherein at least one of R<sup>6</sup> and R<sup>7</sup> is a phosphate covalently attached to adenosine.

1 23. (Currently amended) An oligonucleotide in accordance with claim 22,

2 wherein

3 R<sup>1</sup> is methyl; and

4 R<sup>5</sup> is hydrogen.

1 24. (Currently amended) An oligonucleotide in accordance with claim 22,

2 wherein

3 R<sup>1</sup> is methyl; and

4 R<sup>5</sup> is hydroxyl.